C/007/042 Incoming cc. Steve D.



# **Sunnyside Cogeneration Associates**

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

January 26, 2015

Daron Haddock Division of Oil, Gas & Mining 1594 W. North Temple, Suite 1210 Salt Lake City, Utah 84116

RE: Annual 2014 Inspection Report Star Point Refuse Pile C/007/042

Dear Mr. Haddock:

Please find enclosed a copy of the Annual 2014 Inspection Report for the Star Point refuse pile, impoundments, and excess spoil area.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Gerald Hascall

Guald Haseal

Agent For

Sunnyside Cogeneration Associates

c.c. Rusty Netz Plant File RECEIVED

JAN 28 2015

DIV. OF OIL, GAS & MINING

Permit Number:

C/007/042

Inspection Date: Dec 17, 2014

Mine Name:

Star Point Waste Fuel

Annual 2014 Rusty Netz

Mine Operator (Permittee):

Sunnyside Cogeneration Associates

ration Associates Inspector: Signature:

MSHA ID Number:

N/A

Impoundment Name:

Sediment Pond #005

UPDES Permit Number:

UTG040025

### IMPOUNDMENT INSPECTION

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 6.96 Acre-feet
Pond bottom elevation = 7387.3
100% Sediment Storage Volume = 2.42 acre-feet at Elevation 7394.9
60% sediment Storage Volume = 1.45 acre feet at Elevation = 7393
Existing Average Sediment Elevation = 7391 +/-

RECEIVED

JAN 28 2015

b. Principle and emergency spillway elevations.

DIV. OF OIL, GAS & MINING

Primary Dewatering Orifice = 7394.9 Emergency Spillway Elevation = 7401.3

### 2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it at time of inspection. Storms in late September caused a discharge. Samples were taken at that time and test results from that discharge are attached here.

Sediment levels were reasonably low.

Embankment conditions were good. Vegetation on outslopes was adequate.

Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

### 3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

No water was impounded. Sediment level was good.

No other aspects were observed to affect stability or functionality.

**Sediment Pond 005** 

# CERTIFIED REPORT IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan?

YES

2. Is impoundment free of instability, structural weakness, or any other hazardous conditions?

YES

3. Has the impoundment met all applicable performance standards and effluent limitations

from the previous date of inspection?

### **COMMENTS/ OTHER INFORMATION**

Although a discharge did occur from Pond 5 as a result of multiple storms in late September, sample analysis indicates that adequate detention time occurred and the state discharge limitations were not exceeded.

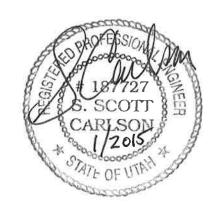
### **CERTIFICATION STATEMENT:**

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: <u>187727 UTAH</u>

Affix Signature, Stamp and Date



Permit Number:

C/007/042

Inspection Date: Dec 17, 2014

Inspector:

Signature:

Annual 2014

Rusty Netz

Mine Name:

Star Point Waste Fuel

Mine Operator (Permittee):

Sunnyside Cogeneration Associates

MSHA ID Number:

N/A

Impoundment Name:

Sediment Pond #006

**UPDES Permit Number:** 

UTG040025

### IMPOUNDMENT INSPECTION

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 2.6 Acre-feet

Pond bottom elevation = 7132.7

100% Sediment Storage Volume = 0.76 acre-feet at Elevation 7140.7

60% sediment Storage Volume = 0.45 acre feet at Elevation = 7138.8

Existing Average Sediment Elevation = 7138.6 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Orifice = 7140.7

Emergency Spillway Elevation = 7147.2

### 2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water.

No samples were taken

Sediment levels were reasonable. Pond did not require decanting.

Embankment conditions were good. Vegetation on outslopes was adequate.

Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

### 3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

No water was impounded

Sediment level was reasonable

No other aspects of the impounding structure were observed that could affect its stability or functionality.

**Sediment Pond 006** 

# CERTIFIED REPORT IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan?

YES

2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? <u>YES</u>

3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?

<u>YES</u>

### **COMMENTS/ OTHER INFORMATION**

The upstream riprap lined ditch which conveys undisturbed area runoff around Pond 006 incurred a breach in September which routed this runoff into Pond 006. This water was all contained in Pond 006, and the ditch was repaired in October.

### **CERTIFICATION STATEMENT:**

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date

Permit Number:

C/007/042

Inspection Date: Dec 17, 2014

Inspector:

Signature:

Annual 2014

**Busty Netz** 

Mine Name:

Star Point Waste Fuel

Mine Operator (Permittee):

Sunnyside Cogeneration Associates

MSHA ID Number:

N/A

Impoundment Name:

Sediment Pond #009

**UPDES Permit Number:** 

UTG040025

### IMPOUNDMENT INSPECTION

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 7.4 Acre-feet

Pond bottom elevation = 7435.0

100% Sediment Storage Volume = 2.02 acre-feet at Elevation 7439.3

60% sediment Storage Volume = 1.21 acre feet at Elevation = 7437.7

Existing Average Sediment Elevation = 7436.5 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Orifice = 7439.8

Primary Spillway Elevation = 7445.5

Emergency Spillway Elevation = 7446.5

### 2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water. No samples were taken. Pond did not require decanting.

Sediment levels were reasonable.

Embankment conditions were good. Vegetation on outslopes was adequate.

Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

### 3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

No water was impounded Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

**Sediment Pond 009** 

# CERTIFIED REPORT IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan?  $\underline{YES}$ 

2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? YES

3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?

YES

### **COMMENTS/ OTHER INFORMATION**

August storms caused some culverts within the Pond 009 drainage area to accumulate sediment. During an inspection, UDOGM issued NOV 12148. SCA completed an internal evaluation of culvert needs, submitted a permit amendment, cleaned ditches and removed unneeded culverts in the area. All diversions and culverts in this drainage 009 area functioned well during the late September storms experienced. DOGM approved the amendment submitted to remove unneeded culverts in December.

### **CERTIFICATION STATEMENT:**

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date

## **OUARTERLY INSPECTION FORM – REFUSE PILE**

Permit Number:	C/007/042	Inspection Date: Dec 17, 2014
Mine Name:	Star Point Waste Fuel	<u>Annual 2014</u>
Mine Operator (Permittee):	Sunnyside Cogeneration Associates	Inspector: Rusty Netz
MSHA ID Number:	Abandoned by MSHA Jan 2004	Signature: Rusty Net
Facility Name:	Coarse Refuse Pile	d

- Describe any changes in the geometry of the structure (as well as instrumentation, if any, used to monitor changes): <u>Refuse</u>
   material is actively being excavated and removed from locations across the top of the pile
- 2. Lift Height / Thickness Avg 15 Maximum 25 Elevation of Active Benches: approximately 7460-7490
- 3. Vertical angle of outslope(s) / Location(s) where measured max 2:1 North, East and South faces
- 4. Current estimated volume: approx 3.0-3.3 Million tons Volume removed during year: 2013: approx. 356,486 tons
- 5. Describe foundation preparation, (including the removal of vegetation, stumps, topsoil, and all organic material): NA
- 6. Describe Placement and compaction of fill materials (including an explanation of how compaction is confirmed): N/A Activities occurring at this time are associated with removal of refuse material
- 7. Is there any evidence of fires or burning on the structure? (if Yes, specify extent, location, and abatement / extinguishment of such fires); No evidence of fires observed
- 8. Describe placement of underdrains and protective filter systems, and final surface drainage systems (report any seepage, including location, color, flow): No underdrains exist. Current surface drainage is in place. No seepage is visible
- 9. Describe any appearances of instability, structural weakness, and other hazardous conditions No aspects of the Fill structure were observed that could affect its stability or functionality or which indicated hazardous conditions
- 10. Please provide any other information pertaining to the stability of the structure (attach any photos taken during the inspection)
  - none observed Are there any cracks or scarps in crest? NO NO \_\_ none observed Is there any detectable sloughing or bulging? b. some old erosion gullies exist on the outer NO Do slope erosion problems exist? slopes, but currently appear stable NO \_\_\_ none observed d. Cracks or scarps in slope? NO none observed Surface movements? (valley bottom, hillsides) e. Erosion of Toe? NO none observed f. none observed NO Water impounded by structure? g. YES appears reasonable Are diversion ditches stable? YES surface runoff flows to culverts & ditches. Is drainage positive? During the 2<sup>nd</sup> quarter NOV 10139 was received & abated. This NOV pertained to an uphill ditch which had been partially reclaimed but which allowed the non reclaimed portion to discharge water onto the refuse pile. The NOV required the ditch to be restored through the reclaimed area. During
  - the 3<sup>rd</sup> quarter significant storms caused erosion in some locations. Conditions have been repaired.
     j. Could failure of structure create an impoundment (provide description)? No surface water flows exist in the vicinity
  - k. Are design standards established within the mining and reclamation plan for the disposal facility being met? Yes
  - 1. Proctor Determination: **none required**

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date

Star Point Waste Fuel



Page 7 of 8

# INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Permit Number:	C/007/042	Inspection Date:	Dec 17, 2014
Mine Name:	Star Point Waste Fuel		Annual 2014
Mine Operator (Permittee):	Sunnyside Cogeneration Associates	Inspector:	Rusty Netz
MSHA ID Number:	NA	Signature:	Rusty net
Facility Name:	Disposal Area		79

- 1. Describe any changes in the geometry of the structure (as well as instrumentation, if any, used to monitor changes): **No material** was placed in this disposal area during the quarter
- 2. Lift Height / Thickness Avg 40-60 ft Maximum 60 ft Elevation of Active Benches: approximately 7480
- 3. Vertical angle of outslope(s) / Location(s) where measured max 4:1
- 4. Total storage capacity: 145K cuyd Remaining storage capacity estimated 140K cuyd Volume placed during year: None
- 5. Describe foundation preparation, (including the removal of vegetation, stumps, topsoil, and all organic material): Organic material is removed as needed. No topsoil existed since this was a previously disturbed location
- 6. Describe Placement and compaction of fill materials (including an explanation of how compaction is confirmed): Material is generally granular by nature so it is placed, spread by dozer and compacted by wheel rolling
- 7. Is there any evidence of fires or burning on the structure? (if Yes, specify extent, location, and abatement / extinguishment of such fires): No evidence of fires observed
- Describe placement of underdrains and protective filter systems, and final surface drainage systems (report any seepage, including location, color, flow): No underdrains exist. Surface drainage flows to adjacent ditches and to Sediment Pond #009. No seepage is visible
- 9. Describe any appearances of instability, structural weakness, and other hazardous conditions No aspects of the Fill structure were observed that could affect its stability or functionality or which indicated hazardous conditions
- 10. Please provide any other information pertaining to the stability of the structure (attach any photos taken during the inspection)
  - NO none observed a. Are there any cracks or scarps in crest? none observed NO Is there any detectable sloughing or bulging? NO erosion conditions are minimal Do slope erosion problems exist? c. NO none observed Cracks or scarps in slope? d. NO Surface movements? (valley bottom, hillsides) none observed e. none observed NO f. Erosion of Toe? NO none observed Water impounded by structure? g. YES appears reasonable Are diversion ditches stable? surface runoff flows to collection ditches YES Is drainage positive?
    - Some culverts in the vicinity of this disposal area were removed during the 3<sup>rd</sup> quarter to reduce maintenance needs and improve storm runoff flow capability
  - j. Could failure of structure create an impoundment (provide description)? No surface water flows exist in the vicinity
  - k. Are design standards established within the mining and reclamation plan for the disposal facility being met? Yes
  - 1. Proctor Determination: none required
- 11. Provide copies of sample analysis for material placed in the fill. No new material has been placed in this disposal area for several years.

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and include any appearances of instability, structural weakness or other hazardous conditions are tructure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date

CAIDSONS AND STATE OF UTAN



SCA- Star Point Refuse Pile and surrounding area

Aug 15, 2014



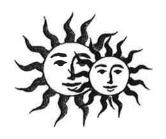
Sediment Pond 009

Aug 15, 2014



Sediment Pond 005

Aug 15, 2014



# **Sunnyside Cogeneration Associates**

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

October 20, 2014

Mike Herkimer Division of Water Quality 195 North 1950 West Salt Lake City, Utah 84116

RE:

October 2014, UPDES Compliance Report September 2014, Monitoring Period UPDES Permit No. UTG040025 Discharge Monitoring Report Sunnyside Cogeneration Associates

Dear Mr. Herkimer:

This letter summarizes the UPDES-Permit field activities at Sunnyside's Star Point Facility during September 2014. Rusty Netz, the Plant Engineer for the facility, has physically inspected the permit outfalls in accordance with the UPDES permit guidelines.

On September 29, 2014, Pond 005 at the Star Point Facility, discharged due to continuing precipitation events. The discharge lasted for approximately eight (8) hours. The discharge was sampled for parameters in accordance with Sections I.E.1 Thru I.E.3 of SCA's UPDES Permit. No permit limits for Pond 005 were in violation.

Again, the discharge event only lasted for approximately an 8-hour period, and no discharge has occurred since. Attached are the discharge sampling results and the discharge monitoring reports.

If you have any questions concerning this report, please contact Rusty Netz or myself at (435) 888-4476.

Thank You,

Gerald Hascall

Gull Weser

Agent for

Sunnyside Cogeneration Associates

Cc: Rusty Netz

Plant Files

Name: Address: #1 POWER PLANT ROAD SUNNYSIDE SUNNYSIDE COGENERATION ASSOCIATES UT. 84539

Facility: STAR POINT REFUSE

Ę. 84501

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REQUIREMENT

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PERMIT

MEASUREMENT

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EFFLUENT GROSS VALUE

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REQUIREMENT

SEE COMMENTS BELOW

Location:

PERMIT NUMBER FROM

7 DISCHARGE NUMBER 9/30/2014 005 A

Discharge to SERVICE BERRY CREEK SEDITMENTATION POND F - FINAL \*\*\* NO DISCHARGE

MINOR

OMB No. 2040-0004 FORM APPROVED

ENTER N.A. WHEN NOT APPLICABLE.

IF 30 DAY AVERAGE TDS OF 500 MG/L CANNOT BE ACHIEVED AT EACH OUTFALL, THEN PERMITTEE IS LIMITED TO ONE TON (2000 LBS) PER DAY AS SUM OF ALL OUTFALLS. EPA Form 3320-1 (Rev. 3/99) Previous editions may be used.

IF AN OIL AND GREASE SHEEN IS OBSERVED A SAMPLE MUST BE TAKEN. THIS SHALL NOT EXCEED 10 MG/L.
SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS DURING RUNOFF EVENTS CAUSED BY LESS THAN THE 10 YEAR/24 HOUR PRECIPITATION EVENT.

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

TYPE OF PRINTED

OIL SHEEN, FLOATING SOLIDS OR

VISIBLE FOAM-VISUAL

EFFLUENT GROSS VALUE

SOLIDS, SETTLEABLE (AS ZN) 01090 1 0 0

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REQUIREMENT

EFFLUENT GROSS VALUE

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Gerald Hascall

ICERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT OUALIFIED PERSONNEL PROPERLY CATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INCURING OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. LAM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INFORMATION IMPRISONMENT FOR KNOWLED FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWLED FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWLED FOR MATTIONS.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

AREA (435)

NUMBER

YEAR/MO/DAY

888-4476

10/20/2014

TELEPHONE

FORM APPROVED OMB No. 2040-0004

Address: Name: #1 POWER PLANT ROAD SUNNYSIDE COGENERATION ASSOCIATES SUNNYSIDE UT. 84539

Facility: Location: STAR POINT REFUSE WATTIS UT. 84501

FROM 70

F-FINAL

MINOR

SEDITMENTATION POND Discharge to SERVICE B

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					***************************************	*********		***	*********	MEASUREMENT	SOLIDS, SETTLEABLE	
GRAB	MONTH		MG/L	DAILY MAX.	- successions	· · · · · · · · · · · · · · · · · · ·	I	The second secon	The second second	REQUIREMENT	EFFLUENT GROSS VALUE	1
					************	*******		********	**********	SAMPLE MEASUREMENT	IRON, TOTAL (AS FE)	_
	ONCE	36	MG/L		REPORT 30DAY AVG.		*****			PERMIT REQUIREMENT	70295 P 0 0 SEE COMMENTS BELOW	Т
				*********		**********			*********	SAMPLE MEASUREMENT	SOLIDS, TOTAL DISSOLVED	
	MONTH	1100	MG/L	DAILY MAX.	A seminated			anomano .	manuscript.	PERMIT REQUIREMENT	03582 0 0 0 SEE COMMENT BELOW	1
1		-			100000000000000000000000000000000000000			**********	***********	MEASUREMENT	OIL AND GREASE	
	MONTH		MG/L	DAILY MAX.	MAX. 7 DAY AVE.	30DAY AVE		anicolomic (	montes	REQUIREMENT	EFFLUENT GROSS VALUE	
									******	SAMPLE MEASUREMENT	SOLIDS, TOTAL SUSPENDED	
	MONTH	種	SU	MUMIXAM	annonna -	MINIMUM.		anninum -	anionioni (	REQUIREMENT	EFFLUENT GROSS VALUE	Т
					**********			*********	*******	SAMPLE MEASUREMENT	PH	
MEASURED	ONCE						MGD	DAILY MAX	REPORT 30DAY AVG	PERMIT REQUIREMENT	PLOW RATE 00056 1 0 0 EFFLUENT GROSS VALUE	
				化物 医马拉氏性肠丛性畸形	***********	医医疗检查检验检验检验				SAMPLE MEASUREMENT		
SAMPLE TYPE	_	s EX	STINU	MAXIMUM	AVERAGE	MINIMUM	STINU	MAXIMUM	AVERAGE		PARAMETER	
	PHEUDENCT	Š						QUANTITY FOR LOADING		/		

IF AN OIL AND GREASE SHEEN IS OBSERVED A SAMPLE MUST BE TAKEN. THIS SHALL NOT EXCEED 10 MG/L.
SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS DURING RUNOFF EVENTS CAUSED BY LESS THAN THE 10 YEAR/24 HOUR PRECIPITATION EVENT,
ENTER N.A. WHEN NOT APPLICABLE.
IF 30 DAY AVERAGE TDS OF 500 MG/L CANNOT BE ACHIEVED AT EACH OUTFALL, THEN PERMITTEE IS LIMITED TO ONE TON (2000 LBS) PER DAY AS SUM OF ALL OUTFALLS.

EPA Form 3320-1 (Rev. 3/99) Previous editions may be used.

OMB No. 2040-0004 FORM APPROVED

Address: Name: SUNNYSIDE COGENERATION ASSOCIATES #1 POWER PLANT ROAD SUNNYSIDE UT. 84539

Location: WATTIS Facility: STAR POINT REFUSE

UT. 84501

DISCHARGE NUMBER 9/30/2014 Discharge to SERVICE BERRY CREEK \*\*\* NO DISCHARGE

9/1/2014

7

F-FINAL SEDITMENTATION POND

MINOR

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IF AN OIL AND GREASE SHEEN IS OBSERVED A SAMPLE MUST BE TAKEN. THIS SHALL NOT EXCEED 10 MG/L. SETTLEABLE SOLIDS SHALL BE LIMITED INSTEAD OF TSS DURING RUNOFF EVENTS CAUSED BY LESS THAN THE 10 YEAR/24 HOUR PRECIPITATION EVENT, ENTER N.A. WHEN NOT APPLICABLE. IF 30 DAY AVERAGE TDS OF 500 MG/L CANNOT BE ACHIEVED AT EACH OUTFALL, THEN PERMITTEE IS LIMITED TO ONE TON (2000 LBS) PER DAY AS SUM OF	TYPE OF PRINTED  COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments have)	Gerald Hascall	NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	MEASUREMENT PERMIT PERMIT	EFFLUENT GROSS VALUE REQUIREMENT	MENT	EFFLUENT GROSS VALUE REQUIREMENT	SUAL MEA	(AS ZN) 01090 1 0 0 PERMIT  EFFLUENT GROSS VALUE REQUIREMENT	MEA	EFFLUENT GROSS VALUE REQUIREMENT	MEA	ELOW RE	SOLIDS, TOTAL DISSOLVED MEASUREMENT	SEE COMMENT BELOW REQUIREMENT	MEA	EFFLUENT GROSS VALUE REQUIREMENT	YENDED MEA	EFFLUENT GROSS VALUE REQUIREMENT	MEA	FLOW RATE 00056 1 0 0  EFFLUENT GROSS VALUE REQUIREMENT	
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OT EXCEED 10 MG/L. JSED BY LESS THAN TH	INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED OM MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY PERSONNELLE FOR GATHERING THE	AND SERVICE OF THE PARTY OF THE		DAILY MAX		DAILY MAX.		The second second	*****			The second second		mmmmm	**********	- managaran		minimum.	******	DAILY MAX.	
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FORM APPROVED OMB No. 2040-0004

Name: SUNNYSIDE COGENERATION ASSOCIATES Address: #1 POWER PLANT ROAD SUNNYSIDE UT. 84539 UT. 84501 UT. 84539

Facility: STAR POINT REFUSE Location: WATTIS

SUM A
DISCHARGE NUMBER

MINOR

F - FINAL
TOTAL OF ALL OUTFALLS
DISCHARGE TO SERVICE BERRY CREEK
"" NO DISCHARGE

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	Gerald Hascall	NOW OTHER POWER EXECUTIVE OFFICER																			SEE COMMENTS BELOW	SOLIDS, TOTAL DISSOLVED	PARAMETER	
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VI ABRODAY	10/20/2014	DATE						Town of the state											<b>基本企业</b>		GRAB	GRAB	SAMPLE TYPE	



### **Analysis Report**

October 16, 2014

SUNNYSIDE COGENERATION FAC PO BOX 10 EAST CARBON UT 84520

Page 1 of 1

Client Sample ID:

005-STAR

Date Sampled:

Sep 29, 2014

Date Received:

Sep 30, 2014

Product Description:

WATER

Sample ID By:

Sample Taken At:

Sunnyside Cogeneration Assoc. 005 - STAR

Sample Taken By:

Time Sampled:

RN

Time Received:

1300 1100

Mine:

27

SGS Minerals Sample ID: 782-1426333-001

				REPORTING	A	NALYZED	
<u>TESTS</u>	RESULT	<u>UNIT</u>	METHOD	LIMIT	DATE	TIME	ANALYST
Oil and Grease, (HEM)		mg/L	EPA 1664A	5	2014-10-10	08:00:00	AL
ρΉ	7.58		SM4500-H	0.01	2014-09-30	12:30:00	AL
pH Temperature	18.60	°C	SM4500-H	0.01	2014-09-30	12:30:00	AL
Settleable Solids	<0.1	mL/L	SM2540-F a	0.1	2014-09-30	12:15:00	AL
Total Dissolved Solids	492	mg/L	SM2540-C	30	2014-10-02	15:50:00	AL
Total Suspended Solids	49	mg/L	SM2540-D	5	2014-10-03	15:50:00	AL
METALS BY ICP							
Iron, Fe - Total	0.28	mg/L	EPA 200.7	0.05	2014-10-08	13:35:00	AL

Domenic Ibanez Lab Supervisor

Lab Supervisor

SGS North America Inc.

Minerals Services Division

2035 North Airport Road Huntington UT 84528 t (435) 653-2311 f (435)-653-2436 www.sgs.com/minerals

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